



## INSTALLATION MANUAL

### US-2 / RAA

### Ultrasonic Sensor / Right Angle Adapter

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#### Introduction

The Model US-2 is an ultrasonic sensor that, when used with the VERSATEC™ Tension Control, provides non-contact distance measurement.

#### Mechanical Installation

Insert the body of the US-2 through a 30 mm (1.18 in.) diameter hole in a machine frame or mounting bracket. Secure with the two locknuts provided. The sensor is aligned with the target when a distance value is displayed on the VERSATEC screen. If the US-2 is not aligned with the target the display will read \*\*\*\*.

If using the RAA, install locknut, then screw adapter all the way onto the US-2 and secure with locknut. Rotate the US-2 in it's mounting to align to the target. The RAA adds 1 in. to the sonic path length.

#### Electrical Installation

Connect the leadwires from the US-2 to the VERSATEC terminal block TB2. Observe the color coding indicated on the label of the control. Connect the cable shield wire to the ground screw.

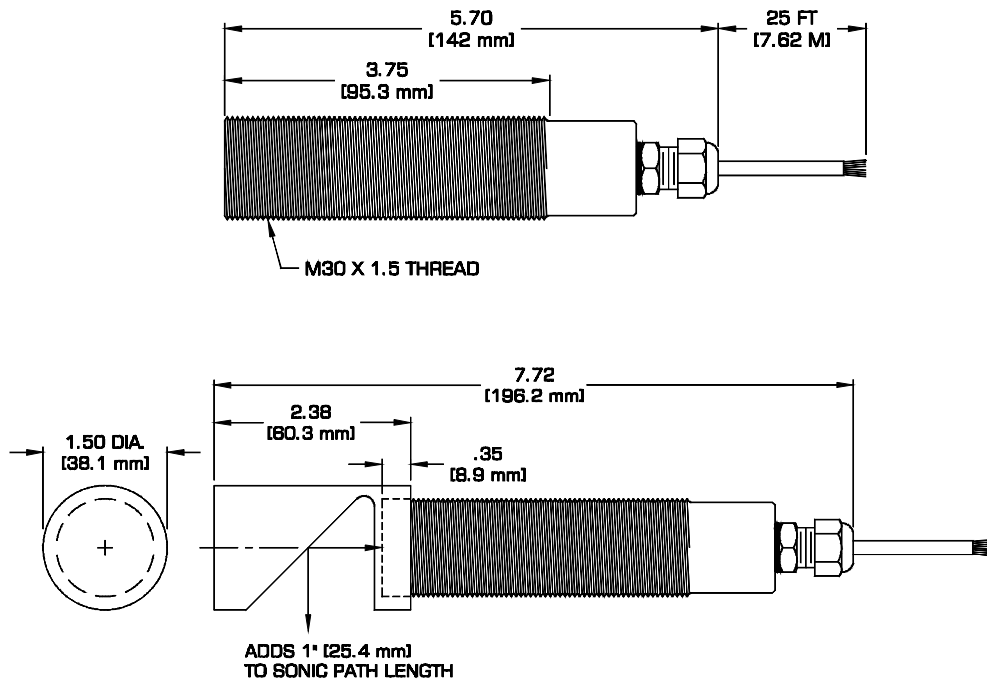
#### Environment

Enclosure Rating	IP65(EN60529)
Climatic Class	3K3(EN60721)
Temperature Range	
Operating	0°C to 40°C
Storage	-30°C to 80°C
Relative Humidity	5% to 85%
Pollution Degree	2(IEC664-1)
Altitude	0-2000 m

## Maintenance

Due to the sealed design of the US-2, there is no maintenance required, other than keeping the white face of the sensor clear of any debris.

## Dimensions



**MODEL US-2**  
**MODEL RAA – RIGHT ANGLE ADAPTER**



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